

MR3029-76

Appl. No. 10/602,866

Reply to Final Office action of September 27, 2004

**Amendments to the Specification**

**Please amend the paragraph beginning on page 7, lines 9 - 17,  
with the following amended paragraph:**

The present invention utilizes the achiral materials with swallow-tailed terminal moieties encourage the formation of an "antiferroelectric-like" phase, a so-called  $\text{SmC}_{\text{alt}}$  phase, and can be doped with small quantity of antiferroelectric liquid crystal to induce antiferroelectricity. Therefore, according to above reasons, the achiral swallow-tailed compound doped with a liquid crystal material such as an antiferroelectric liquid crystal material or achiral-swallow-tailed compound with the a ferroelectric liquid crystal material to generate binary liquid crystal mixture, and further to explore V-shaped switching phenomena in a phase, wherein the phase can be a ferroelectric phase or an antiferroelectric phase.